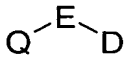
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

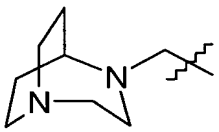
Claim 1 (currently amended) A compound in accord with formula I:



I;

~~enantionmers~~ enantiomers and pharmaceutically-acceptable salts thereof, wherein:

Q is a moiety of formula II



II;

E is selected from C_1-C_6alkyl, C_2-C_6alkenyl, C_2-C_6alkynyl, C_1-C_3alkoxyC_1-C_3alkyl, thiazolyl, oxazolyl, imidazolyl, benzothiazolyl, benzoimidazolyl, quinoxalyl, furanyl, thiophenyl, phenyl, naphthyl, pyridyl, bezofuranyl, benzothiophenyl, quinolinyl or a bond, and

D is selected from hydrogen, C_1-C_6alkyl, phenyl, phenylsulphanyl or pyridyl, wherein D may [[bear]] have 1, 2 or 3 substituents selected from halogen, alkoxy or trifluoromethyl with the proviso that said compound is not 4-benzyl-1,4-diazabicyclo[3.2.2]nonane.

Claim 2 (currently amended) A compound according to Claim 1, wherein:

E is selected from a bond, CH_2-CH_2, CH=CH, C≡C, methoxymethyl, furan-2-yl, thiophen-2-yl, thiophen-3-yl, phenyl, naphthyl, pyrid-2-yl, pyrid-3-yl, bezofuran-2-yl, benzothiophen-2-yl, benzothiophen-3-yl, quinolin-2-yl or quinolin-3-yl, and

D is selected from hydrogen, n-pentyl, phenyl, phenylsulphanyl or pyrid-2-yl, wherein D may [[bear]] have 1, 2 or 3 substituents selected from halogen, alkoxy or trifluoromethyl.

Claim 3 (original) A compound according to Claim 1, selected from:

3-(1,4-diazabicyclo[3.2.2]non-4-yl)-1-phenylpropyne;

(1,4-diazabicyclo[3.2.2]non-4-yl)(5-phenylfuran-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(biphenyl-4-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(5-phenylthiophen-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(benzofuran-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(naphthalen-2-yl)methane;

3-(1,4-diazabicyclo[3.2.2]non-4-yl)-1-phenylpropene;

(1,4-diazabicyclo[3.2.2]non-4-yl)(benzothiophen-3-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(4-(2-pyridyl)phenyl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(6-bromopyridin-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(quinolin-3-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(quinolin-2-yl)methane;

4-(4-phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(5-(pyridin-2-yl)thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-biphenyl-3-ylmethyl-1,4-diaza-bicyclo[3.2.2]nonane;

4-(pyridin-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(6-phenyl-pyridin-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(3-phenyl-propyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-oct-2-ynyl-1,4-diaza-bicyclo[3.2.2]nonane;

4-(2-benzyloxy-ethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(4-bromo-furan-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-[4-(4-bromo-phenylsulfanyl)-benzyl]-1,4-diaza-bicyclo[3.2.2]nonane;

4-(4'-chloro-biphenyl-4-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(3'-trifluoromethyl-biphenyl-4-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(5-(3-pyridyl)thiophen-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(5-(4-pyridyl)thiophen-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(4-(2-pyridyl)thiophen-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(4-(3-pyridyl)thiophen-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(4-(4-pyridyl)thiophen-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(isoquinolin-3-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(4-phenylpyridin-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(5-phenylpyridin-2-yl)methane;

(1,4-diazabicyclo[3.2.2]non-4-yl)(6-phenylpyridin-2-yl)methane;

4-(4-bromo-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(5-bromo-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(4-(4-methoxy)phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(4-(4-chloro)phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(5-(4-methoxy)phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(5-(4-chloro)phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(5-(3-chloro)phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(2-quinoxalin-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(2-bromo-thiazol-5-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(thiazol-5-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane having;

4-(2-phenyl-thiazol-5-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(2-phenyl-imidazol-5-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(thiazol-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(benzothiazol-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(1-methyl-benzimidazol-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(3-methyl-5-phenyl-thiophen-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(2-phenyl-thiazol-4-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(4-(3-bromo-phenyl)thiazol-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane;

4-(4-phenyl-thiazol-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane, and

4-(4-(biphen-3-yl)thiazol-2-ylmethyl)-1,4-diaza-bicyclo[3.2.2]nonane.

Claim 4 (original) A method of treatment or prophylaxis of human diseases, disorders or conditions in which activation of the $\alpha 7$ nicotinic receptor is beneficial which comprises administering a therapeutically effective amount of a compound according to Claim 1.

Claim 5 (original) The method according to Claim 4 comprising treatment of a disorder selected from anxiety, schizophrenia, mania or manic depression.

Claim 6 (original) The method according to Claim 4 comprising treatment of a disorder selected from neurological disorders, psychotic disorders or intellectual impairment disorders.

Claim 7 (original) The method according to Claim 4 comprising treatment of a disorder selected from Alzheimer's disease, learning deficit, cognition deficit, attention deficit, memory loss, or Attention Deficit Hyperactivity Disorder.

Claim 8 (original) The method according to Claim 4 comprising treatment of a disorder selected from Parkinson's disease, Huntington's disease, Tourette's syndrome, or neurodegenerative disorders in which there is loss of cholinergic synapses.

Claim 9 (original) The method according to Claim 4 comprising treatment of a disorder selected from jetlag, nicotine addiction, craving, pain, and for ulcerative colitis, which comprises administering a therapeutically effective amount of a compound of the invention.

Claim 10 (currently amended) The method according to Claim 4 comprising administering an amount of a compound sufficient to facilitate cessation of smoking[[,]].

Claim 11 (original) A pharmaceutical composition comprising a compound according to Claim 1 and a pharmaceutically-acceptable diluent or carrier.

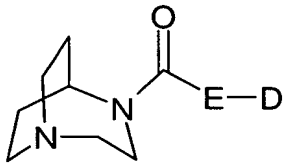
Claim 12 (original) A method comprising administering a therapeutically effective amount of a pharmaceutical composition according to Claim 11, for treating or preventing a condition or disorder selected from neurological disorders, psychotic disorders, intellectual impairment

disorders, Alzheimer's disease, learning deficit, cognition deficit, attention deficit, memory loss, Attention Deficit Hyperactivity Disorder, anxiety, schizophrenia, or mania or manic depression, Parkinson's disease, Huntington's disease, Tourette's syndrome, neurodegenerative disorders in which there is loss of cholinergic synapse, jetlag, nicotine addiction resulting from exposure to products containing nicotine, craving, pain, and ulcerative colitis.

Claims 13 and 14 (canceled)

Claim 15 (original) A method of making a compound of Formula I according to Claim 1, comprising:

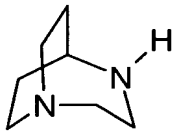
a) reacting a compound of formula III



III

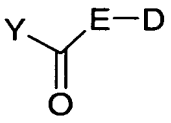
wherein E and D have the meanings as defined in Claim 1, with a reducing agent selected from diborane or lithium aluminum hydride in an inert solvent selected from tetrahydrofuran, diethyl ether, toluene, heptane, or benzene at a temperature between –20 °C and the boiling point of the solvent;

wherein said compound of formula III is prepared by reacting a compound of formula V



V

with a compound of Formula IV,



IV

wherein Y represents a leaving group selected from,OH, halogen, Oalkyl, Oaryl, OCOalkyl, OCOaryl and azide by treating said compound of Formula V with a compound of formula IV at 0-120 °C in a solvent selected from *N,N*-dimethylformamide, dimethylsulfoxide, tetrahydrofuran, or chloroform, optionally in the presence of a base selected from 4-(*N,N*-dimethylamino)pyridine, pyridine, triethylamine, and *N,N*-diisopropylethylamine, or

b) reductively aminating a compound of Formula IV with a compound of formula V, wherein Y represents hydrogen.